

**All the Power of Big-Screen Viewing!**

*New*  
**HC1600**

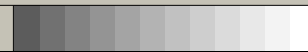


**HDMI**<sup>™</sup>  
HIGH DEFINITION MULTIMEDIA INTERFACE



- DarkChip2<sup>™</sup> realizing high resolution of 1280x720 dots  
\*DarkChip2 is a trademark of Texas Instruments.
- High contrast of 2500:1
- Quiet Fan noise 25dBA (at low mode)
- The brightness of 1700lm lets you enjoy easy-to-view clear images of a movie or TV program without turning off the lights in the room
- Fine-detail gradation reproduction, approaching the high-end realm
  - Equipped with full 10-bit panel driver (DDP3020)

8bit (256steps)



10-bit (1024 steps)  
for quadruple gradation



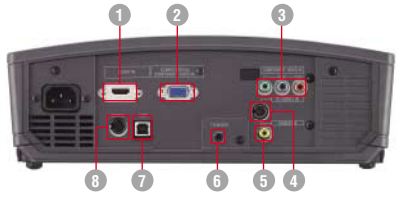
- Selective use of high brightness and high definition modes, tailored to the images being screened
- User gamma correction
- HDMI terminal
- BrilliantColor<sup>™</sup> technology





# HC1600

## Input and Output terminals



- ① HDMI x 1
- ② RGB/Component In x 1
- ③ Component (Y, P<sub>B</sub>/C<sub>B</sub>, P<sub>R</sub>/C<sub>R</sub>)
- ④ S-Video
- ⑤ Video In
- ⑥ Trigger Out
- ⑦ USB (for service)
- ⑧ RS-232C (for service)

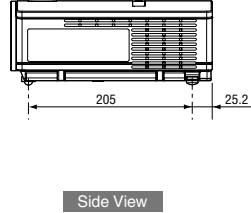
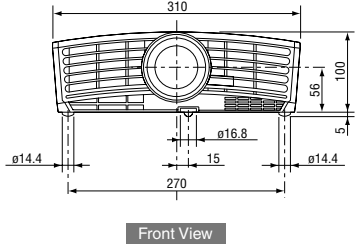
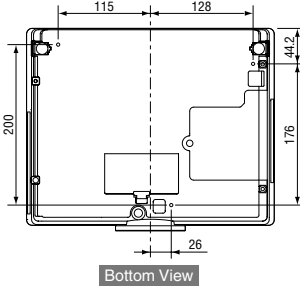
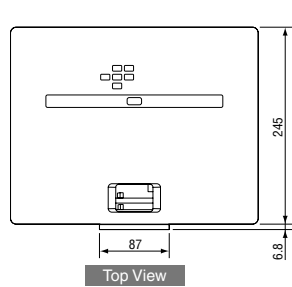
## Specifications

Model		HC1600		
Projection system		DLP™ system		
Panel specs	Panel size	0.62 DMD, aspect ratio 16:9		
	Number of pixels	1280 X 720 (DarkChip2™)		
	Drive system	DMD reflection system		
Optical specs	Array	Stripe pattern		
	Lens	Zoom/focus (Lens shift)	Manual operation	
		f (mm)	23 - 27.6	
	Light source lamp	200W		
Optical system	Time-division color separation / composition system			
Iris / Color wheel spec	WRGBY, 2x speed			
Picture size (inches)		40 - 275		
Images	Brightness (lm)		1700	
	Contrast ratio			2500:1 (full on/full off)
	Resolution	PC input	VGA (640 X 480) - SXGA (1280 X 1024) (compressed)	
	Scanning frequency	Horizontal (kHz)	15 - 80	
		Vertical (Hz)	50 - 85	
Input signal system	Video	NTSC, NTSC4.43, PAL (including PAL-M,N), SECAM, PAL-60 HDTV (480i/p, 576i/p, 1080i, 720p)		
	PC	PC/AT compatible machines, MAC, PC98		
Input	Video	Analog RGB	Mini D-sub 15 pin	1 terminal
		Digital RGB	HDMI	1 terminal
		Composite	RCA terminal	1 terminal
		S	S-Video terminal	1 terminal
		Component	RCA terminal	1 terminal (Component can be also input to D-sub)
Functions	Function/other	Gamma mode	3 patterns + 2 users	
	Trapezoidal distortion correction	Vertical keystone	± 40 steps (1 step = approx. 1 time)	
		Horizontal keystone	± 25 steps (1 step = approx. 1 time)	
	Power supply voltage	AC100-240V 50/60Hz		
	Power consumption	280W		
Weight	2.9kg / 6.5lbs			
Main unit dimensions	310 x 100 x 245 mm / 12.2 x 3.9 x 9.6 inch (excluding height adjustment)			
Fan noise	25dBA (Lamp Low Mode)			
Other	Supplied accessories	AC power cable, remote control unit, AA-size batteries, RGB signal cable, User's manual		

\*VGA, SXGA is a registered trademark of IBM Corporation of the United States. \*DarkChip2 is a trademark of Texas Instruments.

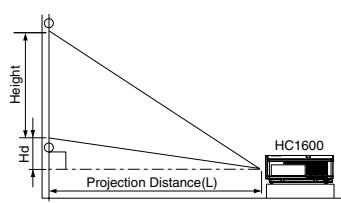
## Dimensions

Unit (mm)



## Screen size and Projection distance

As seen from the side



### Screen size chart

Diagonal size	Screen (16:9 aspect ratio)				Projection distance (L)				Hd		
	Width	Height	Shortest (Wide)	Longest (Tele)							
40	102	35	89	20	50	56	1.4	68	1.7	6.6	17
60	152	52	133	29	75	85	2.2	103	2.6	9.9	25
80	203	70	177	39	100	114	2.9	139	3.5	13.2	33
100	254	87	221	49	125	143	3.6	174	4.4	16.5	42
150	381	131	332	74	187	216	5.5	262	6.6	24.7	63
200	508	174	443	98	249	289	7.3	349	8.9	32.9	84
250	635	218	553	123	311	362	9.2	—	—	41.2	105
275	699	240	609	135	342	398	10.1	—	—	45.3	115

The above numbers are approximate, and may be slightly different from the actual measurements.

## Optional Lamp



VLT-HC910LP

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